1.   5,864,683, Jan. 26, 1999, System for providing secure internetwork by connecting type enforcing secure computers to external network for limiting access to data based on user and process access rights; William E. Boebert, et al., 395/200.79; **380/4, 25;** 395/187.01 [IMAGE AVAILABLE]

US PAT NO:     5,864,683 [IMAGE AVAILABLE]                    L5: 1 of 4

ABSTRACT:
A system and method for the secure transfer of data between a workstation connected to a private network and a remote computer connected to an unsecured network. A secure computer is inserted into the private network to serve as the gateway to the unsecured network and a **client** subsystem is added to the workstation in order to **control** the transfer of data from the workstation to the secure computer. The secure computer includes a private network interface connected to the private network, an unsecured network interface connected to the unsecured network, wherein the unsecured network interface includes means for encrypting data to be transferred from the first workstation to the remote computer, a server function for transferring **data** between the private **network** interface and the unsecured network interface and a filter function for filtering data transferred between the remote computer and the workstation.

2.   5,719,942, Feb. 17, 1998, System and method for establishing a communication channel over a heterogeneous network between a source node and a destination node; Barry Keith Aldred, et al., 380/49; 370/241, 248, 351; 380/23, **25,** 59 [IMAGE AVAILABLE]

US PAT NO:     5,719,942 [IMAGE AVAILABLE]                    L5: 2 of 4

ABSTRACT:
A system and method for establishing a communication channel between a source node and a destination node via a heterogeneous communication network comprising at least one intermediate node is disclosed. A request for a communication channel having specified characteristics is issued by the source node to the most immediately adjacent of a possible plurality of intermediate nodes. Each intermediate node determines whether or not it has the available communication resources to support the request. If so, sufficient communication resources are reserved in order to support the request and the request is forwarded to the next intermediate node. The determination by each intermediate node is continued until the destination is reached. After determination by the intermediate node as to whether or not the communication channel can be supported, an indication reflecting the determination is returned to the source node via the intermediate nodes. If a positive indication is received the communication channel is established.

3.   5,689,638, Nov. 18, 1997, Method for providing access to independent network resources by establishing connection using an application programming interface function call without prompting the user for authentication data; Vladimir Sadovsky, 380/3, **4,** 23, **25;** 707/9; 709/229; 713/200 [IMAGE AVAILABLE]

US PAT NO:     5,689,638 [IMAGE AVAILABLE]                    L5: 3 of 4

ABSTRACT:

A method and system for providing access to independent network resources. At system logon, logon data is stored in memory of a **client** computer. When a server is accessed, server authentication data is stored in a cache. System logon data and authorization data can be applied to access an independent server resource without requiring user interaction.

4.  5,642,417, Jun. 24, 1997, Virtualized installation of material; John W. Stringer, **380/4**, 49, 50 [IMAGE AVAILABLE]

US PAT NO:      5,642,417 [IMAGE AVAILABLE]              L5: 4 of 4

ABSTRACT:
Virtualization converts a normally unidirectional process into a bi-directional process to permit automatic install and uninstall of new material, addition and/or modification of target materials while preserving the state of target material, and conversion of materials having a specific media characteristic into an extended range of media characteristics. Applications include temporary retooling of assembly line for short production runs, associating the installation of materials with the mounting of removable media and the uninstalling materials with the unmounting of removable media, and repurposing stand-alone applications for **client**-server environments without requiring modifications to the design of the stand-alone application.

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L1           256 S  SHAR?(3A)CLIENT
L2            22 S  L1 (3A)INFORMATION
L3             2 S  L2 AND CHARG?
L4          1544 S  380/25/CCLS OR 380/4/CCLS OR 380/40/CCLS
L5             4 S  L4 AND CLIENT? AND CONTROL? AND DATA(3A)NETWORK? AND SHA
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